

# EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 55140008  
PUBLICATION DATE : 01-11-80

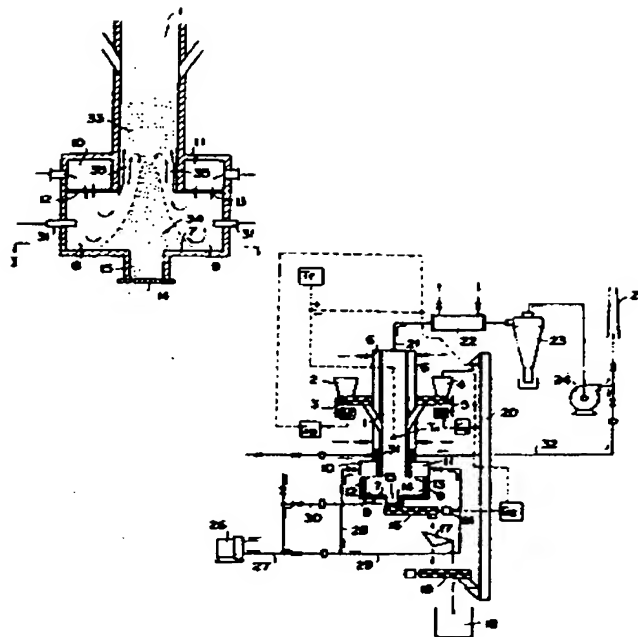
APPLICATION DATE : 19-04-79  
APPLICATION NUMBER : 54048294

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INT.CL. : F23C 11/02 // B01J 8/24 F23G 5/00  
F27B 15/18

TITLE : CONTROL OF FLUIDIZED BED AND  
SYSTEM THEREFOR



ABSTRACT : PURPOSE: To control a temperature in high accuracy by a method wherein a corresponding value to the temperature in a fluidized bed is detected and an amount of floating mediums forming the fluidized bed is controlled by the corresponding value.

CONSTITUTION: A fluidized bed temperature detecting portion  $T_n$  is provided in a portion wherein the fluidized bed 33 in a combustion furnace 1 is produced, an output thereof is compared with a signal from a preset temperature signal transmitting portion  $Tr$ , and a total amount of floating mediums kept in the combustion furnace 1 is adjusted by giving a signal or signals either to one of a fluid medium feeding amount operating transducer  $G_1$  and a fluid medium discharging amount operating transducer  $G_2$  or to both of them due to a reason whether a measured value of the temperature is larger than a preset value or smaller than the preset value. According to this method, when the measured value of the temperature is larger than the preset value, the temperature in the fluidized bed is lowered by increasing the amount of the floating mediums, and when the measured value of the temperature is smaller than the preset value, the temperature in the fluidized bed may be raised by decreasing the amount of the floating mediums, therefore, control of the temperature may be effected accurately and easily.

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